## **PCT**

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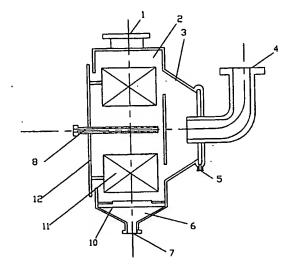
包括国际检索报告。

(54) Title: SUPERGRAVITATIONAL FIELD VORTEX REACTOR AND THE USE THEREOF

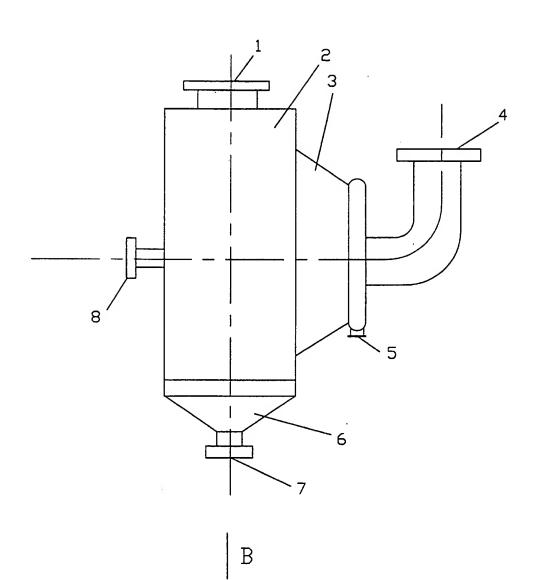
(54) 发明名称: 涡流式超重力场反应装置及其应用

## (57) Abstract

A supergravitational field vortex reactor, characterized in that there is at least one reaction chamber, which include an inlet for supply of continuous phase on the reaction chamber; a fix support within the reaction chamber, on which is provided with carrier to which the reactant can adhere, the inlet is disposed in tangential to the carrier; a liquid distributor disposed in the reaction chamber; a separation chamber on the downstream side of the final stage of the reaction chamber; an outlet for removal of continuous phase in the separation chamber; a baffle plate between the reaction chamber and the separation chamber; means for collecting liquid and a discharge opening at the bottom of the reactor. The present invention can be used for the reaction process comprising transfer between two or more phases, such as physical-chemical reaction between gas-liquid phases, liquid-liquid phases, or gas-liquid-solid phases.



В



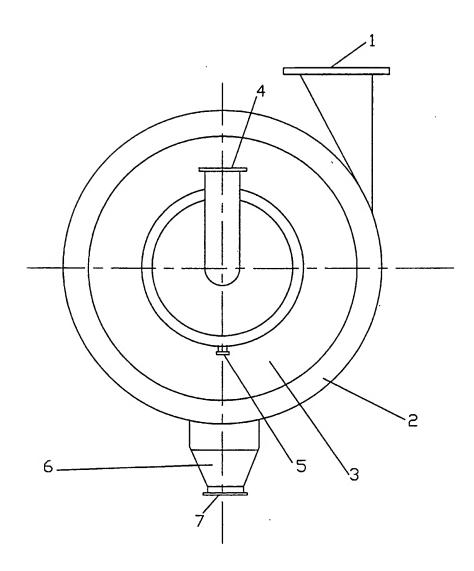


图1A

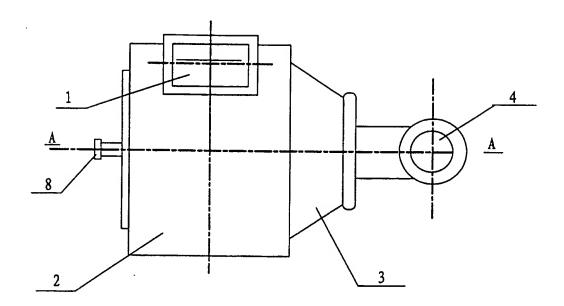
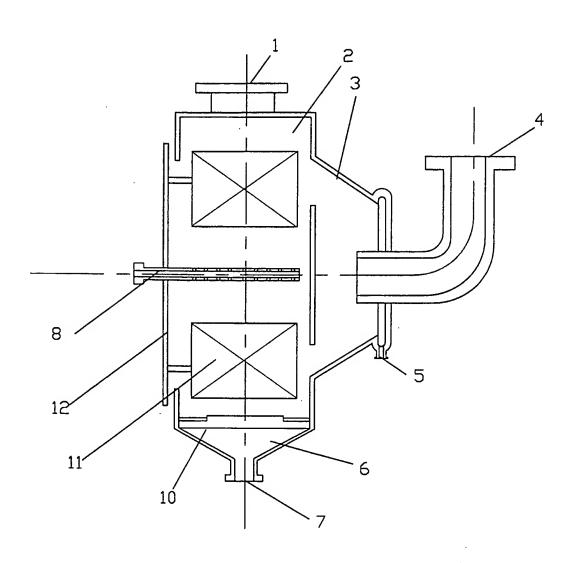
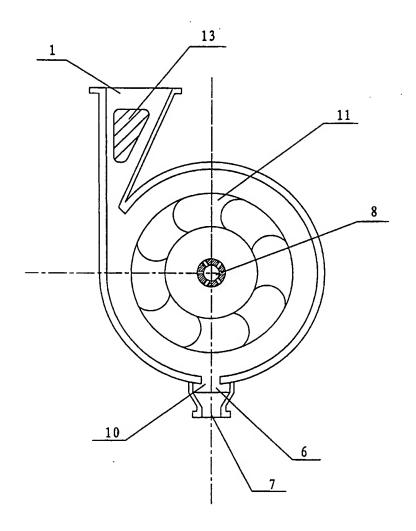


图1B





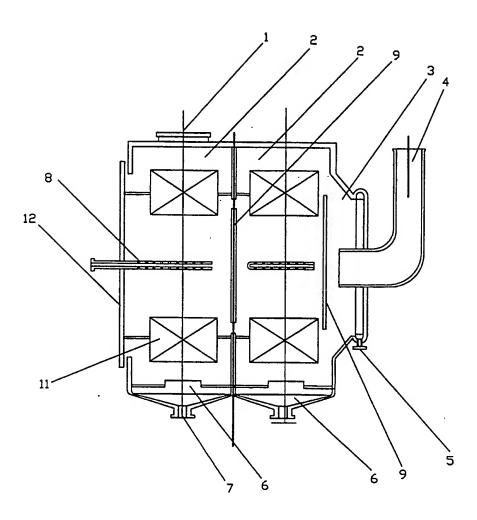
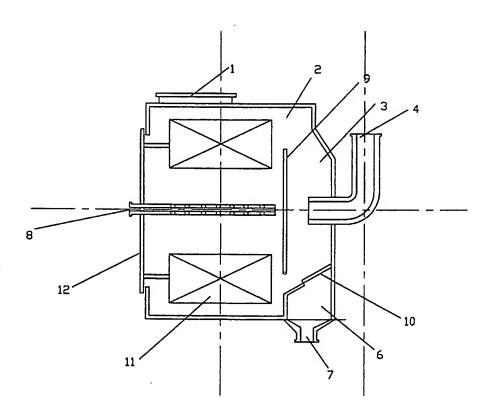
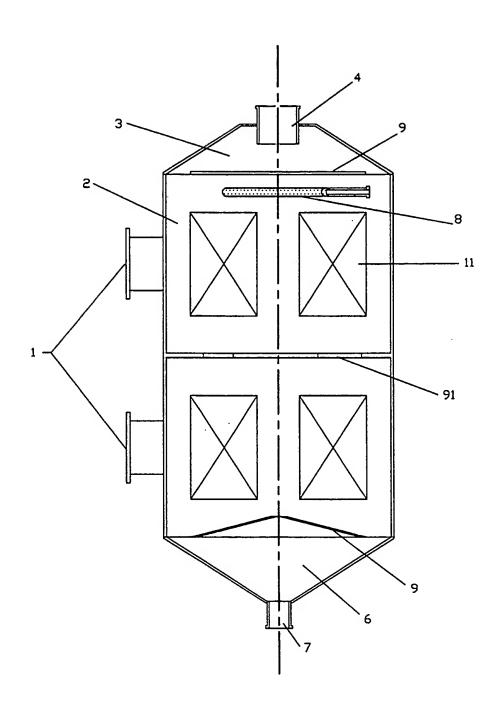
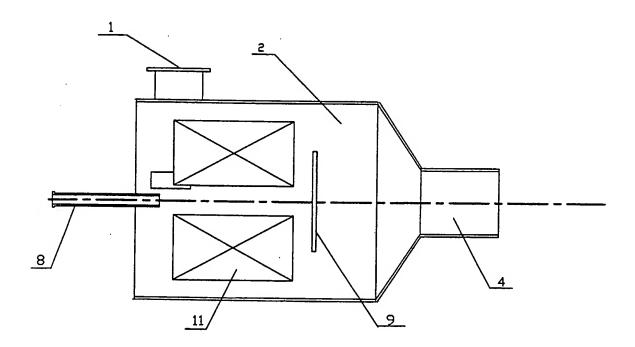
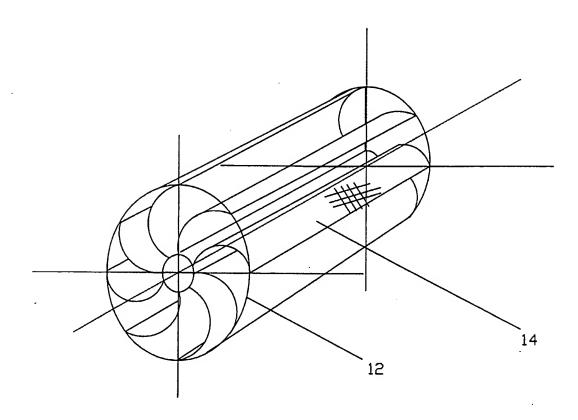


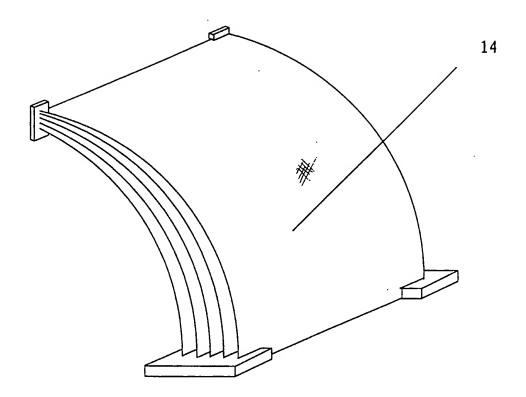
图4











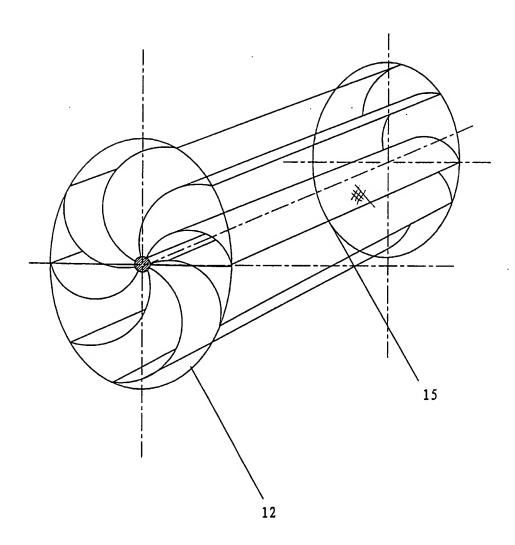
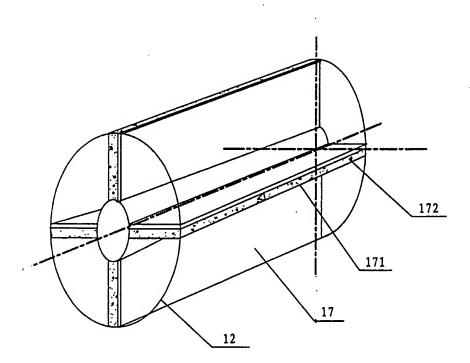


图10

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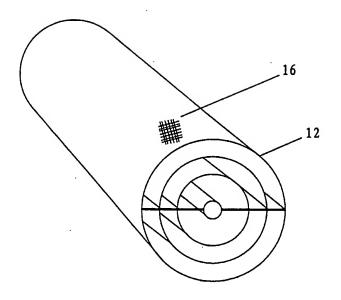


图11

